

CLAIM AMENDMENTS:

1-14. (canceled).

15. (currently amended) A communication device of a construction machine for communicating between the construction machine and a terminal device, ~~characterized in that~~ which comprises:

a communication device, which enables communications with said terminal device when an electrical connection to a power source is ON, and location detecting means for detecting the location of said construction machine are provided in said construction machine;

means for turning ON an electrical connection between said power source and said communication device when the engine of said construction machine is stopped, is provided in said construction machine; and

a time at which the electrical connection between said power source and said communication device is turned ON is ~~changed~~ increased when in accordance with the location of said construction machine detected by said location detecting means strays from a normal location or approaches an abnormal area.

16. (currently amended) A communication device of a construction machine for communicating between the construction machine and a terminal device, ~~characterized in that~~ which comprises:

a communication device, which enables communications with said terminal device when an electrical connection to a power source is ON, and travel speed computing means for computing a travel speed of said construction machine are provided in said construction machine;

means for turning ON the electrical connection between said power source and said communication device when the engine of said construction machine is stopped, is provided in said construction machine; and

a time at which the electrical connection between said power source and said communication device is turned ON is ~~changed~~ increased when in accordance with the travel speed of said construction machine computed by said travel speed computing means increases.

17. (cancelled)

18. (currently amended) ~~The~~ A communication device of a mobile unit ~~according to Claim 17~~ constituted such that a mobile unit and a terminal device are connected by communication means enabling mutual transmission and reception, and, in accordance with an input operation performed at said

terminal device of requesting mobile unit information related to the mobile unit, a content of a request is sent to the mobile unit, and the mobile unit, which receives the request content, acquires, via a mobile unit, mobile unit information corresponding to the request content and sends the acquired mobile unit information to said terminal device, characterized in that which comprises:

~~said detecting means is detecting means~~ for detecting a fact that an engine of said mobile unit has been started being provided in said mobile unit, and when said detecting means detects that said engine is started, the specified mobile unit information is sent to said terminal device from said mobile unit.

19. (currently amended) ~~The~~ A communication device of a mobile and unit ~~according to Claim 17~~ constituted such that a mobile unit and a terminal device are connected by communication means enabling mutual transmission and reception, and, in accordance with an input operation performed at said terminal device of requesting mobile unit information related to the mobile unit, a content of a request is sent to the mobile unit, and the mobile unit, which receives the request content, acquires, via a mobile unit, mobile unit information corresponding to the request content and sends the

acquired mobile unit information to said terminal device, characterized in that
which comprises:

~~said detecting means is detecting~~ totaling means for totaling engine
operating hours of said mobile unit being provided in said mobile unit, and
when a cumulative value of said engine operating hours totaled by said totaling
means either reaches a specified value, or increases by a specified quantity, the
specified mobile unit information is sent to said terminal device from said
mobile unit.

20. (currently amended) ~~The A~~ A communication device of a mobile
~~unit according to Claim 17~~ construction machine constituted such that a
construction machine and a terminal device are connected by communication
means enabling mutual transmission and reception, and, in accordance with
an input operation performed at said terminal device of requesting construction
machine information related to the construction machine, a content of a
request is sent to the construction machine, and the construction machine,
which receives the request content, acquires, via a construction machine,
construction machine information corresponding to the request content and
sends the acquired construction machine information to said terminal device,
~~characterized in that~~ which comprises:

~~said detecting means is~~ detecting means for detecting a location of said ~~mobile unit~~ construction machine being provided in said construction machine, and when the location of ~~said mobile unit~~ detected by said detecting means changes, the ~~specified mobile unit~~ construction machine information is sent to said terminal device from said ~~mobile unit~~ construction machine.

21. (currently amended) ~~The~~ A communication device of a mobile unit ~~according to Claim 17~~ constituted such that a mobile unit and a terminal device are connected by communication means enabling mutual transmission and reception, and, in accordance with an input operation performed at said terminal device of requesting mobile unit information related to the mobile unit, a content of a request is sent to the mobile unit, and the mobile unit, which receives the request content, acquires, via a mobile unit, mobile unit information corresponding to the request content and sends the acquired mobile unit information to said terminal device, characterized in that which comprises:

~~said detecting means is~~ detecting means for detecting a relative location of said mobile unit in relation to a set range being provided in said mobile unit, and when the relative location of said mobile unit in relation to the set range constitutes a specified relative location, the specified mobile unit information is sent to said terminal device from said mobile unit.

22. (currently amended)

~~The~~ A communication device of a

~~mobile unit according to Claim 17~~ construction machine constituted such that
a construction machine and a terminal device are connected by communication
means enabling mutual transmission and reception, and, in accordance with
an input operation performed at said terminal device of requesting construction
machine information related to the construction machine, a content of a
request is sent to the construction machine, and the construction machine,
which receives the request content, acquires, via a construction machine,
construction machine information corresponding to the request content and
sends the acquired construction machine information to said terminal device,
~~characterized in that~~ which comprises:

~~said detecting means is~~ detecting means for detecting a drop in voltage
of a power source mounted to said ~~mobile unit~~ construction machine is
provided in said construction machine, and when the voltage of said power
source detected by said detecting means drops below a specified value, the
~~specified mobile unit~~ construction machine information is sent to said terminal
device from said ~~mobile unit~~ construction machine.

23. (currently amended)

~~The~~ A communication device of a ~~mobile~~

~~unit according to Claim 17~~ construction machine constituted such that a
construction machine and a terminal device are connected by communication

means enabling mutual transmission and reception, and, in accordance with an input operation performed at said terminal device of requesting construction machine information related to the construction machine, a content of a request is sent to the construction machine, and the construction machine, which receives the request content, acquires, via a construction machine, construction machine information corresponding to the request content and sends the acquired construction machine information to said terminal device, characterized in that which comprises:

detecting means for detecting a location of said construction machine is provided in said construction machine, and

the ~~specified mobile unit~~ location information of said construction machine is sent to said terminal device from said ~~mobile unit only~~ construction machine when a content of ~~mobile unit-related~~ construction machine-related data to be sent this time differs from a content of ~~mobile unit-related~~ construction machine-related data sent at a previous time.

24. (canceled)

25. (currently amended) A communication device of ~~an operational mobile unit~~ a construction machine for communicating between a plurality of

~~operational mobile units~~ construction machines and a terminal device,
~~characterized in that~~ which comprises:

one or more business offices at/from which said plurality of ~~operational mobile units~~ construction machines are stored/dispatched, and one or more work sites at which said plurality of ~~operational mobile units~~ construction machines are operated, are established;

location detecting means for detecting a location of said ~~operational mobile unit~~ construction machine is provided in each ~~operational mobile unit~~ construction machine;

based on the detection result of said location detecting means and location data for said business office and work site, when said ~~operational mobile unit~~ construction machine enters said business office or work site, data stating that this ~~operational mobile unit~~ construction machine has entered this business office or work site is sent to said terminal device from this ~~operational mobile unit~~ construction machine, and when said ~~operational mobile unit~~ construction machine exits from said business office or work site, data stating that this ~~operational mobile unit~~ construction machine has exited this business office or work site is sent to said terminal device from this ~~operational mobile unit~~ construction machine; and,

based on said sent data, data on the entry/exit of said plurality of ~~operational mobile units~~ construction machines to/from said business office or work site is managed by said terminal device.

26. (currently amended) The communication device of ~~an operational mobile unit~~ a construction machine according to Claim 25, ~~characterized in that~~ wherein, when said ~~operational mobile unit~~ construction machine exits from said business office or work site, location data is sent to said terminal device from said ~~operational mobile unit~~ construction machine each time said ~~operational mobile unit~~ construction machine moves a predetermined distance, and, based on said sent location data, data on a movement history of said ~~operational mobile unit~~ construction machine is managed by said terminal device.

27. (currently amended) A communication device of a mobile unit for communicating between a terminal device and a plurality of operational mobile units for operating at one or more operating areas, ~~characterized in that~~ which comprises:

a transportation mobile unit for transporting said plurality of operational mobile units is provided;

one or more storage and dispatch areas, at/from which said plurality of operational mobile units are stored/dispatched, are established, and, in addition, one or more operating areas, where said plurality of operational mobile units are operated, are established;

location detecting means for detecting locations of said plurality of operational mobile units is provided in each of said plurality of operational mobile units;

based on the detection results of said location detecting means and location data of said one or more operating areas, data as to whether or not said operational mobile unit is at said operating area is sent to said terminal device from this operational mobile unit;

based on the detection results of said location detecting means and location data of said one or more storage and dispatch areas, when said operational mobile unit enters said storage and dispatch area, data to the effect that this operational mobile unit has entered this storage and dispatch area is sent to said terminal device from this operational mobile unit;

when said operational mobile unit exits from said storage and dispatch area, data to the effect that this operational mobile unit exited from this storage and dispatch area is sent to said terminal device from this operational mobile unit;

based on said sent data, data as to whether said plurality of operational mobile units ~~is~~ are either being stored at or ~~has~~ have been dispatched from said one or more storage and dispatch areas, and data as to whether or not said plurality of operational mobile units ~~is~~ are at said one or more operating areas are managed by said terminal device; and

based on said managed data, said terminal device issues instructions to said transportation mobile unit to transport said operational mobile unit from said operating area to said storage and dispatch area, or to transport said operational mobile unit from said storage and dispatch area to said operating area.

28. (currently amended) A communication device of a mobile unit for communicating between a terminal device and a plurality of operational mobile units for operating within one or more operating areas, ~~characterized in that~~ which comprises:

a transportation mobile unit for transporting said plurality of operational mobile units is provided;

one or more storage and dispatch areas, at/from which said plurality of operational mobile units ~~is~~ are stored/dispatched, are established, and, in addition, one or more operating areas, where said plurality of operational mobile units are operated, are established;

location detecting means for detecting locations of said plurality of operational mobile units is provided in each of said plurality of operational mobile units;

based on the detection results of said location detecting means, location data of said one or more storage and dispatch areas, and location data of said one or more operating areas, when said operational mobile unit enters either said storage and dispatch area, or said operating area, data to the effect that this operational mobile unit entered this area is sent to said terminal device from this operational mobile unit, and when said operational mobile unit exits from either said storage and dispatch area, or said operating area, data to the effect that this operational mobile unit has exited from this area is sent to said terminal device from this operational mobile unit;

based on said sent data, data as to whether said plurality of operational mobile units ~~is~~ are either being stored at or ~~has~~ have been dispatched from said one or plurality of storage and dispatch areas, and data as to whether or not said plurality of operational mobile units ~~is~~ are at said either one or plurality of operating areas are managed by said terminal device; and

based on said managed data, said terminal device issues instructions to said transportation mobile unit to either transport said operational mobile unit from said operating area to said storage and dispatch area, or to transport said

operational mobile unit from said storage and dispatch area to said operating area.

29. (canceled)

30. (currently amended) A communication device of a ~~mobile unit~~ construction machine for communicating between a ~~mobile unit~~ plurality of construction machines and a terminal device, ~~characterized in that~~ which comprises:

a communication device enabling communications with said terminal device when an electrical connection to a power source is turned ON is provided in said ~~mobile unit~~ plurality of construction machines,

means for turning ON at a predetermined period the electrical connection between said power source and said communication device when an engine of ~~said operational mobile unit~~ its own construction machine is stopped, is provided in said ~~mobile unit~~ plurality of construction machines, and

each of said plurality of construction machines changes said period is changed in accordance with change data sent to said ~~mobile unit~~ construction machine from said terminal device.